



# FACILITY COMPLIANCE INSPECTION REPORT

## Division of Waste Management Solid Waste Section

<b>UNIT TYPE:</b>										
Lined MSWLF		LCID	<b>X</b>	YW		Transfer		Compost		<b>COUNTY: HARNETT</b> <b>PERMIT NO.: 43-E</b> <b>FILE TYPE: COMPLIANCE</b>
Closed MSWLF		HHW		White goods		Incineration		T&P		
CDLF		Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		

**Date of Inspection:** May 22, 2012

**Date of Last Inspection:** April 5, 2012

**FACILITY NAME AND ADDRESS:**

Barnhill/McArtan Mine Site LCID Landfill  
 Josey Williams Road (NCSR 2027)  
 Bunnlevel, North Carolina

**GPS COORDINATES:** N: 35.2670 E: -78.7839

**FACILITY CONTACT NAMES AND PHONE NUMBERS:**

Steve Waters, Environmental Manager, Barnhill Contracting Company  
 (910) 978-2412

**FACILITY CONTACT ADDRESS:**

Barnhill Contracting Company  
 P.O. Box 35376  
 Fayetteville, North Carolina 28303

**PARTICIPANTS:**

Steve Waters, Barnhill Contracting Company  
 Robert Hearn, Solid Waste Section  
 Brian Wootten, Solid Waste Section

**STATUS OF PERMIT:**

LCID Landfill Notification approval letter: August 29, 2001  
 Original Permit to Construct: April 17, 2002  
 Permit Amendment – Phase I – Permit to Construct/Operate: February 19, 2010  
 Permit expires: February 19, 2015

**PURPOSE OF SITE VISIT:**

Comprehensive and pre-operation inspection

**STATUS OF PAST NOTED VIOLATIONS:**

(none)

**OBSERVED VIOLATIONS:**

(none)

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The item(s) listed above were observed by Section staff and require action on behalf of the facility in order to come into or maintain compliance with the Statutes, Rules, and/or other regulatory requirements applicable to this facility. Be advised that pursuant to N.C.G.S. 130A-22, an administrative penalty of up to \$15,000 per day may be assessed for each violation of the Solid Waste Laws, Regulations, Conditions of a Permit, or Order under Article 9 of Chapter 130A of the N.C. General Statutes. Further, the facility and/or all responsible parties may be subject to enforcement actions including penalties, injunction from operation of a solid waste management facility or a solid waste collection service and any such further relief as may be necessary to achieve compliance with the North Carolina Solid Waste Management Act and Rules.

#### **ADDITIONAL COMMENTS:**


1. Inspected facility, accompanied by Mr. Waters and Mr. Wootton, and discussed and inspected construction and maintenance operations that were undertaken over the past several months to prepare the western portion of Landfill Phase I for waste disposal operations. We walked over the site, made observations as described below, and also discussed site fill history and sequence of future fill operations. This inspection also serves to satisfy Permit Condition No. 8(a) of Solid Waste Permit #42-E, which states that a site inspection and pre-operative meeting be conducted by a representative of the Solid Waste Section.
2. Mr. Waters said that the remaining, wooded portion of Phase I was cleared this past winter, which was followed by grubbing to remove stumps. Mr. Waters explained that the land-clearing debris was staged in the Phase II area of the landfill, and that he expects that this debris will decompose by the time Phase II is under construction. I suggested that Barnhill turn the pile periodically to promote breakdown of the debris.
3. Mr. Waters said that the site was then graded to form the disposal cell floor, and that soil was applied to low areas so as to achieve the required four-foot separation between the lower waste boundary and the seasonal-high groundwater elevation. Observed that the area appeared to have been sufficiently graded to achieve positive drainage across the cell floor.
4. Discussed management of stormwater runoff into the new disposal area. Advised Mr. Waters to plan ahead regarding management of runoff so that it does not travel into the working-face area or uncovered disposed waste, as required. Suggested consideration of diverting surface runoff moving from the existing fill area so that it travels around the new fill area and flows into the existing ditches outside the Phase I disposal area boundaries.
5. Observed that all waste in the landfill has been covered sufficiently with soil, with the exception of some eroded areas mentioned below.
6. Observed that some areas of the western fill slope have experienced erosion of soil cover and need to be repaired, including reshaping of the slope in some areas. Remember that 15A N.C. Admin. Code 13B .0565(3)(j) requires that landfill slopes do not exceed 3:1 (three feet of 'run' for every one foot of 'rise').
7. Observed that stormwater runoff has resulted in some erosion at the site, which apparently has moved into the drainage ditch that lays along the western edge of Phase I boundary. Wetland-type plants, including but not limited to cattails, were observed in a wet area near the north end of the ditch. It appeared that sediment accumulated in the ditch is impeding positive drainage of runoff down along the ditch. Advised Mr. Waters to take actions to remove sediment and restore free movement of runoff along the length of the ditch. Also suggested that existing sediment basins be maintained and cleared of sediment if needed to restore their function and design capacities.
8. Observed that runoff from upland areas is ponding in a few spots on the existing, covered surface of the disposal area, and that the majority of runoff appears to move down the covered, west slope into the middle of the new disposal area. Advised Mr. Waters to grade the existing fill surface so as to eliminate ponding and divert runoff away from the future working face area, as required by 15 A N.C. Admin. Code 13B .0566(10), in accordance with comment no. 4 above.

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9. Observed that the limits of the Phase I disposal area are marked by orange-and-white construction-marker barrels, except that the western limits are defined by an existing drainage ditch.
10. Observed that much of the inactive portion of the disposal area lacks sufficient vegetative cover. Mr. Waters explained that the area was seeded earlier in the year but did not result in a sufficient stand of vegetation. Take timely actions to establish ground cover sufficient to restrain erosion, as required by 15A N.C. Admin. Code 13B .0566(7).

Please contact me if you have any questions or concerns regarding this inspection report.



Robert Hearn

Environmental Senior Specialist  
***Regional Representative***

Phone: (919) 707-8292

Copies: Dennis Shackelford, Eastern District Supervisor  
Jessica Montie, Compliance Officer  
Brian Wootton, Hydrogeologist

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